


 Substitute Form PTO-1449  
(Modified)

 U.S. Department of Commerce  
Patent and Trademark Office

 Attorney's Docket No.  
14134-002001

 Application No.  
10/039,574

**Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

 Applicant  
Kellar Autumn

 Filing Date  
January 2, 2002

 Group Art Unit  
2812

 RECEIVED  
MAR 28 2003  
TC 1700

**U.S. Patent Documents**

| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee       | Class | Subclass | Filing Date If Appropriate |
|------------------|-----------|-----------------|------------------|----------------|-------|----------|----------------------------|
| JAG              | AA        | 6,393,327       | 05/21/2002       | Scribner       | 607   | 54       | 08/09/2000                 |
| JAG              | AB        | 5,843,767       | 12/01/1998       | Beattie        | 435   | 287.1    | 04/10/1996                 |
| JAG              | AC        | 5,264,722       | 11/23/1993       | Tonucci et al. | 257   | 443      | 06/12/1992                 |
|                  | AD        |                 |                  |                |       |          |                            |
|                  | AE        |                 |                  |                |       |          |                            |
|                  | AF        |                 |                  |                |       |          |                            |
|                  | AG        |                 |                  |                |       |          |                            |
|                  | AH        |                 |                  |                |       |          |                            |
|                  | AI        |                 |                  |                |       |          |                            |
|                  | AJ        |                 |                  |                |       |          |                            |
|                  | AK        |                 |                  |                |       |          |                            |

**Foreign Patent Documents or Published Foreign Patent Applications**

| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation |    |
|------------------|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|----|
|                  |           |                 |                  |                          |       |          | Yes         | No |
|                  | AL        |                 |                  |                          |       |          |             |    |
|                  | AM        |                 |                  |                          |       |          |             |    |
|                  | AN        |                 |                  |                          |       |          |             |    |
|                  | AO        |                 |                  |                          |       |          |             |    |
|                  | AP        |                 |                  |                          |       |          |             |    |

**Other Documents (include Author, Title, Date, and Place of Publication)**

| Examiner Initial | Desig. ID | Document |
|------------------|-----------|----------|
|                  | AQ        |          |
|                  | AR        |          |
|                  | AS        |          |
|                  | AT        |          |

Examiner Signature

*J. K. Autumn*

Date Considered

8/9/06

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

|   |  |  |                               |
|---|--|--|-------------------------------|
| Substitute Form PTO-1449<br>(Modified)<br>MAR 05 2003<br>INFORMATION DISCLOSURE STATEMENT<br>by Applicant<br>(Use several sheets if necessary)<br>(S) 1.98(b) | U.S. Department of Commerce<br>Patent and Trademark Office | Attorney's Docket No.<br>14134-002001. | Application No.<br>10/039,574 |
|   | Applicant<br>Kellar Autumn                                 |  | MAR 17 2003                   |
|   | Filing Date<br>January 2, 2002                             | Group Art Unit<br>2812                 |                               |

GROUP 1700

| U.S. Patent Documents |           |                 |                          |               |       |          |                            |
|-----------------------|-----------|-----------------|--------------------------|---------------|-------|----------|----------------------------|
| Examiner Initial      | Desig. ID | Document Number | Publication / Issue Date | Patentee      | Class | Subclass | Filing Date If Appropriate |
| JMA                   | AA        | 5,959,200       | 09/28/99                 | Chui et al.   | 73    | 105      | 08/27/97                   |
|                       | AB        | 5,843,657       | 12/1/98                  | Liotta et al. | 435   | 6        | 10/10/95                   |
| JMA                   | AC        | 4,545,831       | 10/8/85                  | Ornstein      | 156   | 57       | 09/13/82                   |
|                       | AD        |                 |                          |               |       |          |                            |
|                       | AE        |                 |                          |               |       |          |                            |

| Foreign Patent Documents or Published Foreign Patent Applications |           |                 |                  |                          |       |          |             |    |
|---|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|----|
| Examiner Initial  | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation |    |
|   |           |                 |                  |                          |       |          | Yes         | No |
|   | AF        |                 |                  |                          |       |          |             |    |
|   | AG        |                 |                  |                          |       |          |             |    |

| Other Documents (include Author, Title, Date, and Place of Publication) |           |  |
|---|-----------|--|
| Examiner Initial  | Desig. ID | Document   |
| JMA   | AH        | Irschick et al., "A comparative analysis of clinging ability among pad-bearing lizards" Biological Journal of the Linnean Society (1996)   |
|   | AI        | Russell, "Contributing to the functional analysis of the foot of the Tokay Gekko gekko" Zoo. Lond. (1975)  |
|   | AJ        | Edwards et al., "The adhesive pads of Heteroptera: a reexamination" Proc. R. ent. Socl. Lond. (1970)   |
|   | AK        | Beni Charan Mehendra, "Contributions to the Bionomics, Anatomy, Reproduction and Development of the Indian House-Gecko, Hemidactylus Flaviviridis Rupel, pp. 288-306, December 19, 1940.   |
|   | AL        | Rodolfo Ruibal et al., "The Structure of the Digital Setae of Lizards" Department of Life Sciences, University of California, Riverside, CA, Journal of Morphology, 117: 271-294, Nov. 1965.   |
|   | AM        | P.F.A. Maderson, "Keratinized Epidermal Derivatives as an Aid to Climbing in Gekkonid Lizards" Vol. 203, pp. 780-781, August 15, 1964.   |
|   | AN        | Sunder Lal Hora, "The Adhesive Apparatus on the Toe of Certain Geckos and Tree-frogs" Journal of the Proceedings of the Asiatic Society 9:137 (1923)   |
|   | AO        | Matt Cartmill "Climbing" Functional Vertebrate Morphology, Chapter 5; 1985.  |
|   | AP        | E. E. Williams, "Convergent and Alternative Designs in the Digital Adhesive Pads of Scincid Lizards" Sciences, Vol. 215, pp. 1509-1511, March 19, 1982   |
|   | AQ        | T. Thum-Albrecht, J. Schotter, G.A. Kastle, N. Emley, T. Shibauchi, L. Krusin-Elbaum, K. Guarini, C.T. Black, M.T. Tuominen and T.P. Russell, "Ultrahigh-Density Nanowire Arrays Grown in Self-Assembled Diblock Copolymer Templates" Science 2000 December 15; 290:2126-2129. |
| JMA   | AR        | K. Autumn, et al. "Adhesive Force of a single gecko foot-hair" Nature, Vol. 405, pp. 681-685, 2000.  |

|  |                           |
|--|---------------------------|
| Examiner Signature<br><i>JMA</i>   | Date Considered<br>8/2/02 |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                           |

|  |  |  |                                       |                               |
|--|--|--|---------------------------------------|-------------------------------|
| Substitute Form PTO-1449<br>(Modified)<br>MAR 05 2003<br>INFORMATION DISCLOSURE STATEMENT<br>by Applicant<br>(Use several sheets if necessary)<br>(37 CFR 1.98(b)) | U.S. Department of Commerce<br>Patent and Trademark Office |  | Attorney's Docket No.<br>14134-002001 | Application No.<br>10/039,574 |
|  |  |  | Applicant<br>Kellar Autumn            | MAR 17 2003                   |
|  |  |  | Filing Date<br>January 2, 2002        | Group Art Unit<br>2812        |
|  |  |  | GROUP 1700                            |                               |

## Other Documents (include Author, Title, Date, and Place of Publication)

| Examiner Initial | Desig. ID | Document  |
|------------------|-----------|---|
| JAG              | AS        | Y.A. Ling et al. "Adhesion Force Measurements on Single Gecko Setae" Technical Digest of the 2000 Solid-State Sensor and Actuator Workshop, Hilton Head Island, SC (2000)                                     |
|                  | AT        | Stork, N.E. "Experimental analysis of adhesion of chrysolina polita (Chrysomelidae: Coleoptera) on a variety of surfaces" Journal of Experimental Biology 88:91-107 (1980)                                    |
|                  | AU        | Ruibal, R. and V. Ernst "The structure of the digital setae of lizards" Journal of Morphology 117:271-294 (1965)  |
|                  | AV        | Peterson, J.A. and E.E. Williams "A case study in retrograde evolution: the onca lineage in anoline lizards. II. Subdigital fine structure" Bulletin of the Museum of Comparative Zoology 149: 215-268 (1981) |
| JAG              | AW        | Edwards, J.S. "Observations on the development and predatory habit of two reduviid heteroptera, phinocoris carmelita stal and platyeris rhadamanthus gerst" Proc. R. Ent. Soc. Lond.: 89-98 (1962)            |

RECEIVED  
MAR -7 2003  
TC 2800 MAIL ROOM

|  |                           |
|--|---------------------------|
| Examiner Signature<br><i>JAG</i>   | Date Considered<br>8/7/06 |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                           |